BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Development of Roads and Drains in ward no. 06**

Estimated Cost : **7.50 Lakhs**

Job Code: **006-20-000197**

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Development of Roads and Drains in ward no. 06

			Estimate Cost Rs.					750000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ Item No. 19.1/ PWD SR 2018-19	Cum							
	For Sanitary and W.S Road Cutting Protion		1	60.00	1.00	0.45	27.00		
	For Road Surface		1	60.00	6.80	0.20	81.60		
	For Culverts		1	6.80	1.15	0.75	5.87		
							114.47	137.80	**15773.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
2	KSRRB M600-3. Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications - No. 175/ Item No. 22.3/ PWD SR 2018-19	**Cum**							
	For Culverts		1	6.80	1.15	0.15	1.17		
	For CC Road		1	60.00	6.80	0.15	61.20		
							61.20	3606.12	**220695.00**
	Basic Rate	3402.00							
	Area Weightage @ 6%	204.12							
	Total	**3606.12**							
3	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 25/ Item No. 5.9/ PWD SR 2018-19	Sqm							
	Culverts		2	6.80	0.60	0.90	7.34		
							7.34	**5000.00**	36720.00
	Basic Rate	5483.00							
	Area Weightage @ 6%	328.98							
	Total	5811.98							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR	**cum**							
	Culverts Coaping		1	6.80	0.60	0.15	0.61		
	Vent Bed		1	6.80	0.60	0.15	0.61		
			1	0.00	0.60	0.15	0.00		
							1.22	5000.00	**6120.00**
	Basic Rate	5309.00							
	Area Weightage @ 6%	318.54							
	Total	**5627.54**							
5	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 115/ Item No. 15.1/ PWD SR 2018-19	Sqm							
	Culverts		2	6.80		0.90	12.24		
							12.24	223.00	**2730.00**
	Basic Rate	211.00							
	Area Weightage @ 6%	12.66							
	Total	**223.66**							
6	Providing precast slab of 250mm thick including cost of all materials, labour, curing,transportation,loading,unloading,etc.,complete as per the direction of engineer in charge- Data rate	**Sqm**							
	For Culverts		1	6.80	1.80		12.24		
							12.24	5000.00	**61200.00**
	Approved DATA RATE	5418.00							
7	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406,P No. 155/ Item No. 20.18/ PWD SR	Cum							
	For Filling Sanitary and W.S Road Cutting Protion		1	60.00	1.00	0.30	18.00		
							18.00	2001.28	**36023.00**
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	**2001.28**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8.	Providing and laying cement concrete using 20[illegible] and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2018-19	Cum							
	For CC Road		1	60.00	6.80	0.10	40.80		
							40.80	5770.64	**235442.00**
	Basic Rate	5444.00							
	Area Weightage @ 6%	326.64							
	Total	**5770.64**							
9	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2018-19	Sqm							
	For CC Road		1	60.00	6.80		408.00		
							408.00	**72.08**	**29409.00**
	Basic Rate	68.00							
	Area Weightage @ 6%	4.08							
	Total	**72.08**							
10	Providing groove cutting for Concrete pavement width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(Page No 176., I.No.22.8.1 of PWD S.R 2018-19	**Rmtr**							
	Liner Cutting		1	60.00			60.00		
	Horizantal cutting		10	6.80			68.00		
							128.00	143.10	**18317.00**
	Basic Rate	135.00							
	Area Weightage @ 6%	8.10							
	Total	**143.10**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRRB M100-2. Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19	Cum							
			Qty. Vide Item No. 1+2				114.47		
							114.47	60.42	6916.00
	Basic Rate	57.00							
	Area Weightage @ 6%	3.42							
	Total	60.42							
							Grand Total		669345.00
12	For 12% Applicable GST								80321.00
13	Miscesallaneous Charges	L/S							334.00
									750000.00

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19
3 This Estimate Grant under SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division

Administrative Approval

Accorded For Rs. 7.5 Lakhs only
Head of A/C P3296
CER NO : 19 Dt: 09.11.2020

TA

CE (YNK)

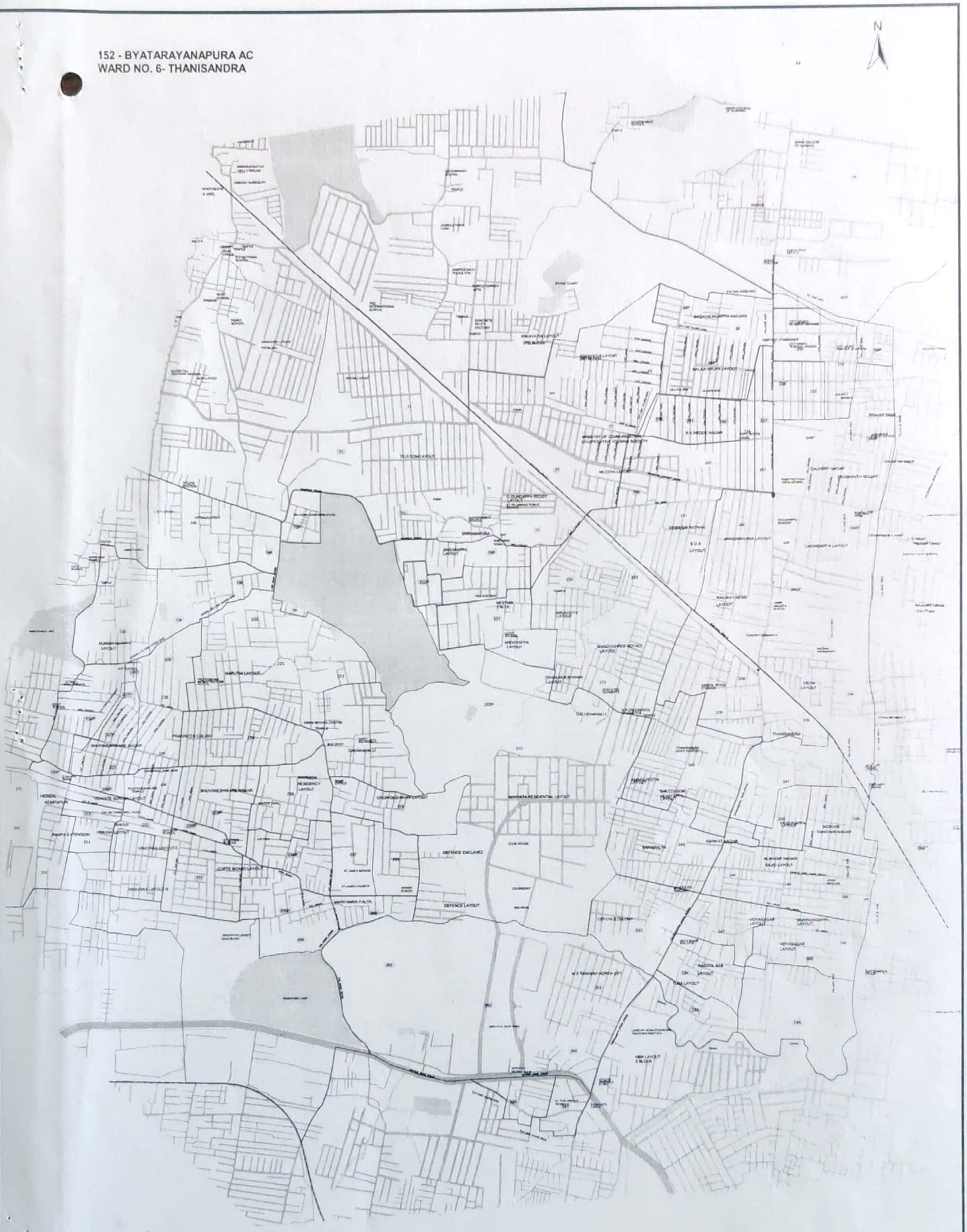
TECHNICAL SANCTION

Accorded For Rs. 7.50 Lakhs only
Head of A/c P3296
Div. Ref. No. 78 Date 01/12/2020

AE

EE(BTP) 01/12

152 - BYATARAYANAPURA AC
WARD NO. 6- THANISANDRA



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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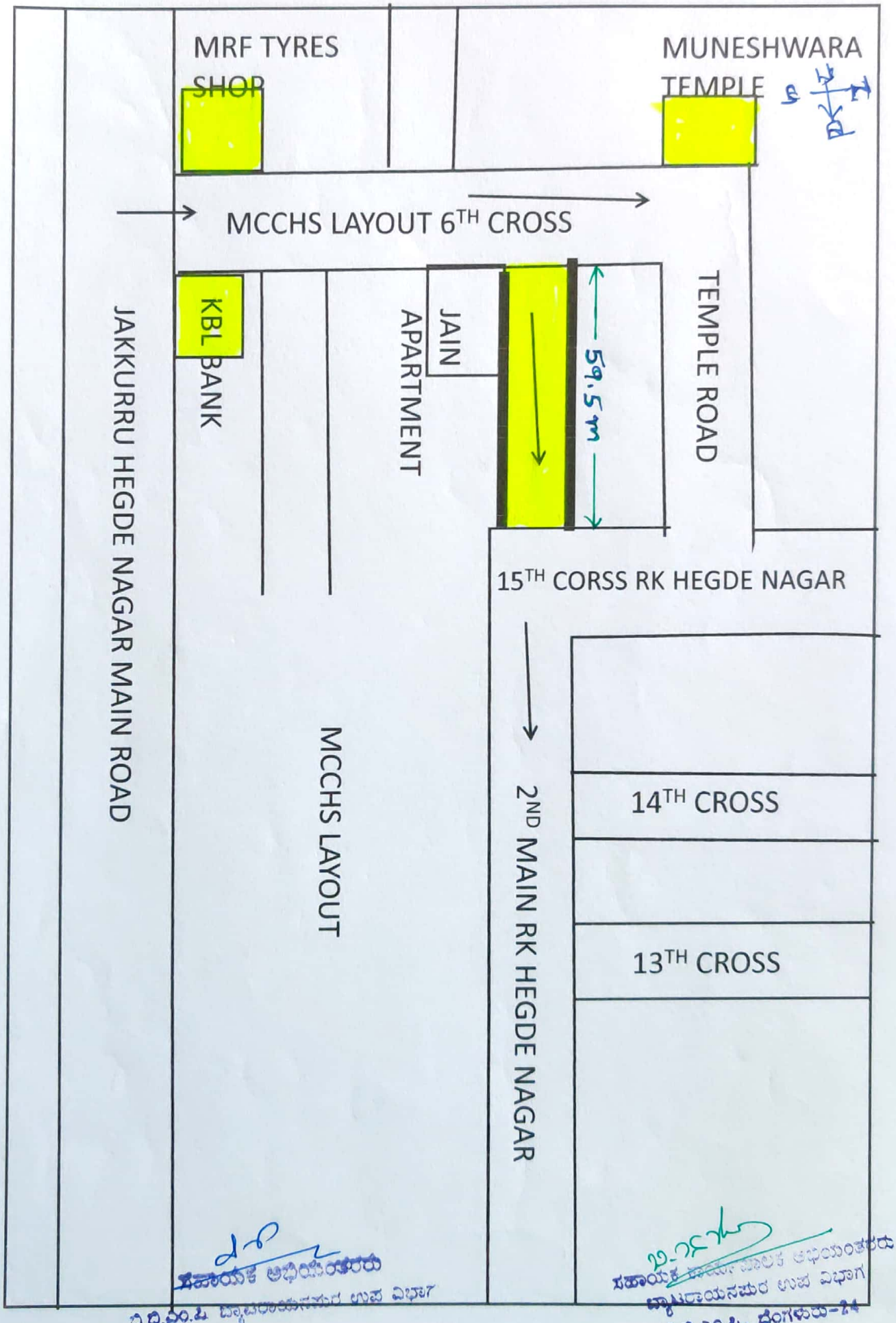

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